IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Joerg Jahnke, Dietmar Cordes

Assignee: Sun Microsystems, Inc.

Title: A METHOD AND STRUCTURE FOR STORING DATA OF AN XML-DOCUMENT IN A RELATIONAL DATABASE

Serial No.: 10/054,544   Filed: January 18, 2002

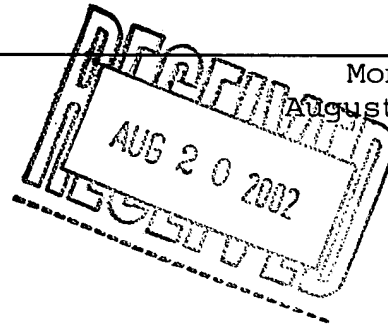Examiner: Unknown   Group Art Unit: 2185

Docket No.: P-5513

Monterey, CA
August 13, 2002

ASSISTANT COMMISSIONER FOR PATENTS
Washington, D.C. 20231

INFORMATION DISCLOSURE STATEMENT UNDER §1.97(b)

Sir:

Pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant(s) wish to call the following documents (a copy of each is enclosed) to the attention of the Examiner:

OTHER DOCUMENTS:

1)	Mark Birbeck, "Re: Storing XML Documents in Relational Databases", XML Discussion List: General Discussion of Extensible Markup Language, December 16, 1998, page 1, XP002168316.
2)	A. Deutsch, M. Fernandez, D. Suciu, "Storing Semistructured in Relations", ICDT '99 Workshop on Query Processing for Semistructured Data and Non-Standard Data Formats, January 13, 1999, pages 1-6, XP002168317.
3)	D. Florescu, D. Kossmann, "A Performance Evaluation of Alternative Mapping Schemes for Storing XML Data in a Relational Database", Inria Technical Report No. 3680, May 1999, pages 1-31, XP002168318.

GUNNISON, McKAY &
HODGSON, L.L.P.
Garden West Office Plaza, Suite 220
1900 Garden Road
Monterey, CA 93940
(831) 655-0880
Fax (831) 655-0888

- 1 -   Serial No. 10/054,544

4)	G. Kappel, E. Kapsammer, W. Retschitzegger, "X-Ray-Towards Integrating XML and Relational Database Systems", Technical Report Johannes Kepler University Linz, July 2000, pages 1-27, XP002168319.
5)	J. Shanmugasundaram, et al., "Relational Databases for Querying XML Documents: Limitations and Opportunities", Proceedings of the 25th International Conference on Very Large Databases, Edinburgh, UK, Sept. 7-10, 1999, Morgan Kaufman Publishers, pages 302-314, XP002168320.
6)	Norman Walsh, "What Do XML Documents Look Like", Oct. 3, 1998 O'Reilly & Associates, Inc., 2001, pages 1-12.
7)	W3C XML Working Group, "Extensible Markup Language (XML) 1.0, 2000, W3C, pages 1-51.
8)	Erik T. Ray, "Learning XML (Guide to) Creating Self-Describing Data", Chapter 2: Markup and Core Concepts, Jan., 2001, O'Reilly & Associates, Inc., pages 1-36.
9)	Ronald Bourret, "XML Database Products", 2000, 4 pages total.
10)	"XMLdb: Build Database tables to feed your XML", 1998-2000, Cerium Component Software, 2 pages total.
11)	Brad Wait, "Using XML in Oracle Database Applications: Part 2: About Oracle XML Products", Nov. 1999, Oracle Corporation, 15 pages total.
12)	Ronald Bourret, "XML and Databases", 1999-2000, 10 pages total.
13)	Bert Bos, "XML in 10 points (7 really…), 1999-2000, W3C, 2 pages total.
14)	Raminvas Laddad, "XML APIs for Databases", 2000, ITworld.com, Inc., 11 pages total.

A PTO form 1449 listing these documents is enclosed.

References 1-5 were cited in a Search Report for a corresponding European Patent Office Application upon which the above U.S. application claims priority. A copy of the European Search Report (4 pages) is enclosed.

Citation of the above documents shall not be construed as:

    1.   an admission that the documents are necessarily prior art with respect to the instant invention;

    2.   a representation that a search has been made, other than as described above; or

    3.   an admission that the information cited herein is, or is considered to be, material to patentability as defined in § 1.56(b).

If the USPTO issued a first office action prior to the mailing date of this paper, the Commissioner is hereby authorized to charge any fees required for consideration of this Information Disclosure Statement, and to credit any overpayment of fees to Deposit Account No. 50-0553.

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231, on August 13, 2002.

_____ August 13, 2002
Attorney for Applicant(s)   Date of Signature

Respectfully submitted,

Forrest Gunnison
Attorney for Applicant(s)
Reg. No. 32,899
(831) 655-0880

- 3 -   Serial No. 10/054,544

Form PTO-1449	Atty Docket No.	Serial No.
	P-5513	10/054,544

INFORMATION DISCLOSURE CITATION

IN AN APPLICATION

(Use several sheets if necessary)

Applicant(s)
Joerg Jahnke et al.

Filing Date	Group
January 18, 2002	

RECEIVED

AUG 1 9 2002

Technology Center 2100

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

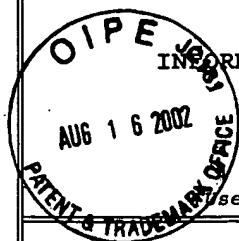|		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

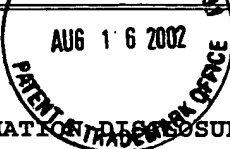|	AR	Mark Birbeck, "Re: Storing XML Documents in Relational Databases", XML Discussion List: General Discussion of Extensible Markup Language, December 16, 1998, page 1, XP002168316.
	AS	A. Deutsch, M. Fernandez, D. Suciu, "Storing Semistructured Data in Relations", ICDT '99 Workshop on Query Processing for Semistructured Data and Non-Standard Data Formats, January 13, 1999, pages 1-6, XP002168317.
	AT	D. Florescu, D. Kossmann, "A Performance Evaluation of Alternative Mapping Schemes for Storing XML Data in a Relational Database", Inria Technical Report No. 3680, May 1999, pages 1-31, XP002168318.

Examiner	Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

Form PTO-1449		AUG 1 6 2002		Atty Docket No.		Serial No.
				P-5513		10/054,544

INFORMATION DISCLOSURE CITATION

IN AN APPLICATION

(Use several sheets if necessary)

Applicant(s)
Joerg Jahnke et al.

Filing Date	Group
January 18, 2002	2185

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

RECEIVED
AUG 1 9 2002
Technology Center 2100

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation YES	Translation NO
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER DOCUMENTS (*Including Author, Title, Date, Pertinent Pages, Etc.*)

	AR	G. Kappel, E. Kapsammer, W. Retschitzegger, "X-Ray-Towards Integrating XML and Relational Database Systems", Technical Report Johannes Kepler University Linz, July 2000, pages 1-27, XP002168319.
	AS	J. Shanmugasundaram, et al., "Relational Databases for Querying XML Documents: Limitations and Opportunities", Proceedings of the 25th International Conference on Very Large Databases, Edinburgh, UK, Sept. 7-10, 1999, Morgan Kaufman Publishers, pages 302-314, XP002168320.
	AT	Norman Walsh, "What Do XML Documents Look Like", Oct. 3, 1998 O'Reilly & Associates, Inc., 2001, pages 1-12.

Examiner	Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

Form PTO-1449				Atty Docket No.			Serial No.	
				P-5513			10/054,544	
INFORMATION DISCLOSURE CITATION IN AN APPLICATION				Applicant(s)				
				Joerg Jahnke et al.				
				Filing Date			Group	
(Use several sheets if necessary)				January 18, 2002			2185	

U.S. PATENT DOCUMENTS

RECEIVED

AUG 1 9 2002

Technology Center 2100

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

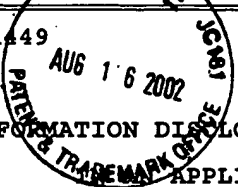|							Translation	
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	W3C XML Working Group, "Extensible Markup Language (XML) 1.0, 2000, W3C, pages 1-51.
	AS	Erik T. Ray, "Learning XML (Guide to) Creating Self-Describing Data", Chapter 2: Markup and Core Concepts, Jan., 2001, O'Reilly & Associates, Inc., pages 1-36.
	AT	Ronald Bourret, "XML Database Products", 2000, 4 pages total.

Examiner	Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

Form PTO-1449		Atty Docket No.		Serial No.	
		P-5513		10/054,544	
INFORMATION DISCLOSURE CITATION		Applicant(s)			
APPLICATION		Joerg Jahnke et al.			
		Filing Date		Group	
(Use several sheets if necessary)		January 18, 2002		2185	

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						RECEIVED
	AC						AUG 1 9 2002
	AD						Technology Center 2100
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

							Translation	
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER DOCUMENTS (*Including Author, Title, Date, Pertinent Pages, Etc.*)

	AR	"XMLdb: Build Database tables to feed your XML", 1998-2000, Cerium Component Software, 2 pages total.
	AS	Brad Wait, "Using XML in Oracle Database Applications: Part 2: About Oracle XML Products", Nov. 1999, Oracle Corporation, 15 pages total.
	AT	Ronald Bourret, "XML and Databases", 1999-2000, 10 pages total.

Examiner	Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).

Form PTO-1449	Atty Docket No.		Serial No.
	P-5513		10/054,544
INFORMATION DISCLOSURE CITATION IN AN APPLICATION	Applicant(s)		
	Joerg Jahnke et al.		
	Filing Date		Group
(Use several sheets if necessary)	January 18, 2002		2185

OIPE AUG 1 6 2002

RECEIVED AUG 1 9 2002 Technology Center 2100

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

							Translation	
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

OTHER DOCUMENTS (*Including Author, Title, Date, Pertinent Pages, Etc.*)

	AR	Bert Bos, "XML in 10 Points (7, really…), 1999-2000, W3C, 2 pages total.
	AS	Raminvas Laddad, "XML APIs for Databases", 2000, ITworld.com, Inc., 11 pages total.
	AT	

Examiner	Date Considered

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant(s).